



Figure 5: Boxplots showing the distributions of heat velocities (V , cm h^{-1}) calculated with the DRM, HRM, CHPM and Tmax from synthetic temperature data with Monte Carlo sampling of $\sigma_T = 0.02 \text{ K}$, $t_0 = 10 \text{ s}$, $mc = 1.25 \text{ g g}^{-1}$. The median values are shown by red lines in the blue boxes, which have upper and lower edges defined by the 25th and 75th percentiles, the red crosses are the outliers that are more than 2.7σ from the mean. The CHPM was not given in panels (a) and (b) as it could not resolve the negative to low flow.